

# Concrete Construction: Fabrication General Instructions

## Scope Statement

*Ensure proper fabrication techniques are observed, perform required tests that apply, and submit results to the Department.*

## Procedure

### QC/QA

1. Witness the placing, stressing, and harping of the prestress cable.
2. Verify that the proper forces are applied to the cable by checking the readings on the calibrated jacks and watching the elongation of the cables.
3. Ensure that the cables are stressed in the correct order and that the harping operation is properly conducted.
4. Re-check the cable forces to verify specification compliance if several days pass from the time the cables are stressed until the concrete is placed.
5. Before concrete form sides are placed, inspect the reinforcing steel for proper size, clearance, location, and amount.
6. Check for grease, paint, rust, or any other foreign substances on the reinforcing steel or prestress cable.
7. Carefully monitor the location of the prestress cables at the points of harping.
8. After the forms are completely assembled, check the steel for proper clearance between the bars and forms, and look for any damage that may have occurred as the form was assembled.